

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	1215	(451/350-354).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/07 08:52
L5	1857	(451/451-457).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/07 08:52
L6	9	4 and vacuum with reducing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/07 08:57
L7	19	5 and vacuum with reducing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/07 08:57
S1	883	(451/65).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/06 13:03
S2	217	(451/350).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/06 13:04
S3	454	(451/353).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/06 13:04
S4	197	(451/354).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/06 13:45
S5	9	((("3,722,147") or ("4,135,334") or ("4,688,289") or ("4,782,632") or ("4,939,872") or ("5,908,224") or ("6,027,399") or ("20030033684") or ("20030119435"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/05/06 13:08
S6	765	(451/344).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/06 13:45
S7	905	(451/456).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/06 13:46

## EAST Search History

S8	21	S1 and suction and vacuum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 15:08
S9	18	S2 and suction and vacuum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 13:49
S10	26	S3 and suction and vacuum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 13:50
S11	31	S4 and suction and vacuum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 13:56
S12	4	S5 and suction and vacuum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 13:59
S13	39	S6 and suction and vacuum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 14:01
S14	164	S7 and suction and vacuum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 14:21
S15	49	jespersen with paul.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 14:23
S16	25	jespersen with poul.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 14:32
S17	0	S1 and brush and skirt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 15:12

## EAST Search History

S18	8	S2 and brush and skirt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 14:38
S19	31	S3 and brush and skirt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 14:45
S20	4	S4 and brush and skirt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 14:46
S21	0	S5 and brush and skirt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 14:46
S22	5	S6 and brush and skirt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 14:47
S23	28	S7 and brush and skirt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 14:57
S24	2	S1 and seal\$3 and skirt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 14:58
S25	13	S2 and seal\$3 and skirt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 15:00
S26	21	S3 and seal\$3 and skirt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 15:01
S27	8	S4 and seal\$3 and skirt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 15:02

## EAST Search History

S28	0	S5 and seal\$3 and skirt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 15:02
S29	18	S6 and seal\$3 and skirt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 15:03
S30	34	S7 and seal\$3 and skirt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 15:07
S31	521	(451/451).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/06 15:07
S32	31	S31 and suction and vacuum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 15:08
S33	7	S31 and brush and skirt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 15:26
S34	610	(451/452-455,457).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/06 15:27
S35	14	S34 and skirt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 15:47
S36	23	grind\$3 with apparatus and brush and skirt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 15:43
S37	17	S34 and moulding	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 15:49

## EAST Search History

S38	1215	(451/350-354).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/07 08:52
S39	1857	(451/451-457).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/07 08:52
S40	27	S38 and suction and skirt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 15:58
S41	39	S39 and suction and skirt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 16:03
S42	17	S39 and suction and moulding	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 16:05
S43	70	S39 and suction and sealing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 16:09
S44	29	S38 and suction and sealing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 16:12
S45	114	S38 and suction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 16:21
S46	328	S39 and suction	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 16:21
S47	166	"4939872" "4934475" "4860400" "4809383" "4688289" "4997052" "4926957" "2002019" "3916568" "5609516" "3987589" "3935678" "5363600" "5713785" "5014803" "6053806"	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/06 17:32

## EAST Search History

S48	16	((("4939872") or ("4934475") or ("4860400") or ("4809383") or ("4688289") or ("4997052") or ("4926957") or ("2002019") or ("3916568") or ("5609516") or ("3987589") or ("3935678") or ("5363600") or ("5713785") or ("5014803") or ("6053806"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/05/06 17:34
S49	3	S48 and adjust\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/06 17:34